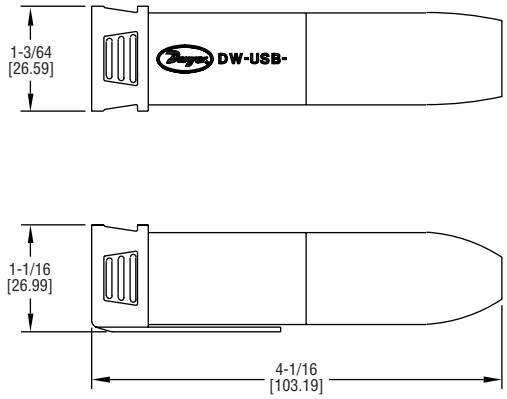
Series DW-USB Compact USB Data Logger

Specifications and Operating Instructions



The Series DW-USB Compact USB Data Logger allow users to monitor temperature, humidity, dew point, voltage, or current. The user can select the sampling rate, start time, high/low alarm settings, and temperature unit parameters with the included Windows® based software. Stored data is downloaded by plugging the module into a PC's USB port. Alarm status and low battery is indicated via built-in flashing LED's. When the protective cap is fitted, the data logger resists moisture to IP67 standards.

SPECIFICATIONS

Temperature Sensor: Range: -31 To 176 F (–35 to +80∞C); Accuracy: ±2°F (±1°C); Resolution: ±1°F (±0.5°C).
Temperature/Humidity/Dew Point Sensor: Range: -31 To 176 F (-35 to 80∞C), 0-100% RH; Accuracy: ±2°F (±1°C), 3.5% RH; Resolution: ±1°F (±0.5°C), 1% RH.
Voltage Sensor: Range: 0 to 30 V DC; Accuracy: ±1% ; Resolution: 50 mV DC .
Current Sensor: Range: 4 to 20 mA; Accuracy: ±1%; Resolution: +/-0.05 mA DC.
Memory Size: 16,382 temperature; 16,382 each temperature and RH; and 32,764 for voltage and current.
Sampling Mode: Stop on memory full.
Sampling Rate: Selectable from 10 sec. to 12 hrs. (DW-USB-1, DW-USB-2) and 1 sec. to 12 hrs. (DW-USB-3, DW-USB-4).
Computer Requirements: Windows® 98, Windows® 2000, Windows® XP, or Windows Vista™ 32-bit operating systems.
Power Requirements: 3.6 V lithium battery (life approx. 1 year).
Alarms: Programmable high/low.

LED FLASHING MODES

DW-USB-1: Features an orange problem condition LED and green/red LED for alarm status.		
	(Single flash) (Parpadeo simple)	Logging, no alarm on channel. Registrando, sin alarma.
	(Double flash) (Parpadeo doble)	Delayed start. El Registrado está preparado.
	(Single flash) (Parpadeo simple)	Logging, low alarm on channel. Alarma baja.
	(Double flash) (Parpadeo doble)	Logging, high alarm on channel. Alarma alta.
	(Single/Double flash every 10 sec) (Parpadeo doble/simple cada 10 seg)	Memory full. Memoria llena.
	(Single flash every 60 sec) (Parpadeo simple cada 60 seg)	Low battery. Batería baja.

DW-USB-2: Features 2 clearly marked bi-colored LEDs, one for temperature and one for RH.		
	(Single flash) (Parpadeo simple)	Logging, no alarm on channel. Registrando, sin alarma.
	(Double flash) (Parpadeo doble)	Delayed start. El Registrado esta preparado.
	(Triple flash) (Parpadeo triple)	Memory full, no alarm on last stored value. Registrador lleno, sin alarma en el canal.
	(Single flash) (Parpadeo simple)	Logging, low alarm on channel. Registrando, alarma baja en el canal.
	(Double flash) (Parpadeo doble)	Logging, high alarm on channel. Registrando, alarma alta en el canal.
	(Triple flash) (Parpadeo triple)	Logger full, alarm on channel. Registrador lleno, alarma en el canal.

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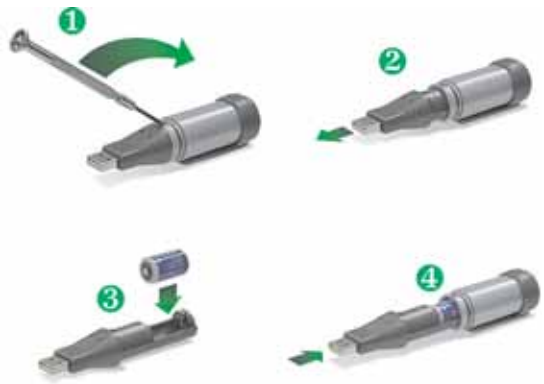
DW-USB-3 & DW-USB-4: Features a red and green LED.			
	(Single flash) (Parpadeo simple)	every 10 seconds cada 10 segundos	Logging, no alarm on channel. Registrando, sin alarma.
		every 20 seconds cada 20 segundos	Logging, no alarm on channel, low battery. Registrando, sin alarma, batería baja.
		every 30 seconds cada 30 segundos	Delayed start. Inicio demorado.
	(Double flash) (Parpadeo doble)	every 20 seconds cada 20 segundos	Memory full, no alarm on last stored value. Registrador lleno, sin alarma en el canal.
	(Single flash) (Parpadeo simple)	every 10 seconds cada 10 segundos	Logging, low alarm on channel. Registrando, alarma baja en el canal.
		every 20 seconds cada 20 segundos	Logging, low alarm on channel, low battery. Registrando, alarma baja, batería baja.
	(Double flash) (Parpadeo doble)	every 10 seconds cada 10 segundos	Logging, high alarm on channel, low battery. Registrando, alarma alta en el canal.
		every 20 seconds cada 20 segundos	Logging, high alarm on channel, low battery. Registrando, alarma alta en el canal, bateria baja.
	(Single flash) (Parpadeo simple)	Memory full, alarm on last stored value. Memoria llena, alarma en el canal.	

BATTERY INSTALLATION

Note: Before using the data logger, you will need to insert the 3.6 V 1/2 AA battery provided, following the instructions below.



SOFTWARE INSTALLATION

NOTE: This software must be installed prior to the USB Driver. Please follow the instructions below then refer to the USB Driver Installation based on the Windows® operating system you are using.

1. Insert the included Configuration Software CD into the CD drive of your computer. If the CD does not start automatically, click “Start”, “Run” & type D:\autorun.exe then click “OK”.
2. Follow the on screen instructions to complete the Configuration Software Installation.
3. An EasyLog USB icon will now be placed on your desktop.

USB DRIVER INSTALLATION

Windows® XP/Windows Vista™:

NOTE: You must install the Configuration Software as instructed in the previous section before going through these steps. The supplied CD must be in your PC’s CD drive throughout this installation.

1. Insert the USB data logger directly into a USB port on the computer. Installation screens should automatically appear.
2. Follow the on screen instructions to complete the Configuration Software Installation. If a compatibility error window appears, click “Continue Anyway”. NOTE: This will not cause any adverse changes/effects on your computer.
3. You can now begin using our data logger by double clicking on the EasyLog USB icon on your computers desktop.

Windows® 98/Windows® 2000:

NOTE: You must install the Configuration Software as instructed in the previous section before going through these steps. The supplied CD must be in your PC’s CD drive throughout this installation.

1. Insert the USB data logger directly into a USB port on the computer. Installation screens should automatically appear.
2. Follow the on screen instructions to complete the USB Driver Installation. When asked about searching for suitable drivers, select “CD-ROM Drive” only, then click “Next”.
3. You can now begin using our data logger by double clicking on the EasyLog USB icon on your computers desktop.

MAINTENANCE

Upon final installation of the Compact DW-USB Data Logger, no routine maintenance is required. Leaving the logger plugged into your computer for an extended period of time will considerably lower its battery life. A periodic check of system calibration is recommended. The Series DW-USB is not field serviceable and should be returned if repair is needed (field repair should not be attempted and may void warranty). Be sure to include a brief description of the problem plus any relevant application notes. Contact customer service to receive a return goods authorization number before shipping.

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